

DRAFT

PRE-CERCLIS SCREENING ASSESSMENT

REPORT

FOR

DETROIT LEAD COMPANY

13535 Helen Avenue
Detroit, MI 48212
Wayne County, Michigan

September 16 , 2003

Completed By: _____ Date: _____

Nabil Seif, Site Screening Project Manager

Reviewed By: _____ Date: _____

Joseph Walczak, Program Manager

Pre-Remedial Group
Site Evaluation Unit
Superfund Section
Remediation and Redevelopment Division
Michigan Department of Environmental

US EPA RECORDS CENTER REGION 5



423419

PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Nabil Seif/EQA 9/16/2003
 (Name/Title) (Date)

P.O Box 30426, Lansing, MI 48909 517-373-9836
 (Address) (Phone)

SEIFN@michigan.gov
 (E-mail Address)

Site Name: Detroit Lead Company

Previous Names (if any): Same

Site Location: 13535 Helen Avenue
 (Street)

Detroit MI 48212
 (City) (State) (Zip)

Latitude: 42° 25' 0.23" North **Longitude:** 83° 01' 51.61" West

Complete the following checklist. If "yes" is marked, please explain below.

	Yes	NO
1. Does the site already appear in CERCLIS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Does the site consist of a release of a naturally occurring substance in the unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring or regulated by the NRC, UMTRCA, or OSHA)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Is there sufficient documentation that clearly demonstrate that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance release have occurred, EPA approved risk assessment completed)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SITE DETERMINATION

☐ Enter the site into CERCLIS. Further assessment is recommended (explain below)

■ The site is not recommended for placement into CERCLIS (explain below)

DECISION/DISCUSSION/RATIONALE:

Based on the findings from the factual report, and the fact that the site is being addressed as a part of the State's Detroit Lead Initiative, the site is not recommended for placement into the CERCLIS. After the site investigation is completed and more information is available, the MDEQ may re-evaluate the status of the site.

State Agency/Tribe: _____

Print Name/Signature

_____ Date

Regional EPA Reviewer: _____

Print Name/Signature

_____ Date

FACTUAL REPORT

Site Name and Location:

Detroit Lead Company
13535 Helen Avenue
Detroit, MI 48212

County: Wayne

MDEQ District: SE Michigan

The Detroit Lead Company site is located at 13535 Helen Avenue in Detroit, Wayne County, Michigan. The site is approximately 1 acre in size, and all its buildings have been demolished except for their foundation. The site is currently a vacant lot. The site is completely surrounded by a chain-link fence and access to the site is controlled by a locked gate at the northeastern edge of the site property.

The site was used for over 30 years for reclaiming plates from lead-acid batteries and silver from photographic and X-ray film. After several property transfer the property was reverted to the State of Michigan for non payment of taxes in June 1990. The city of Detroit received the property from the State of Michigan via tax reversion process in January 1993.

A Phase I Environmental Assessment (EA) of the site was conducted by Environmental Mitigation Group in May 1994, and Phase II EA was performed by Earth Tech, Inc., in August 1995. The Phase II EA report states that the Michigan Department of Environmental Quality (MDEQ) collected approximately 15 soil samples at the site during two Preliminary Site inspection on September 19 and 29, 1994. Sample analytic results indicated that concentrations of lead ranged from 1,000 to 28,000 mg/kg and concentrations of arsenic ranged from 120 to 690 mg/kg.

According to a limited feasibility study report, Haring ESE of Michigan, Inc. (ESE) also collected groundwater, soil, and concrete samples in March, April, and July 2001 as a part of its investigation to estimate the lateral and vertical extent of contamination at the site. Lead was detected in 25 of 62 samples collected from 0-2 feet below ground surface (bgs). In addition, polychlorinated biphenyl (PCBs) were detected at concentrations ranging from 0.6 to 3 mg/kg in 3 samples collected in the western portion of the site.

MDEQ requested technical assistance from the United States Environmental Protection Agency (EPA) to support investigation activities at the Detroit Lead Company site. The EPA then tasked the Superfund Technical Assessment and Response Team (START) to conduct a site assessment which included a site reconnaissance, and soil sampling.

On June 13, 2002, 28 soil boring samples were collected by START. On September 4, 2002, 45 soil boring samples were collected. Analytical results for the samples collected from the soil borings at the site demonstrate the presence of heavy-metals contaminated soils. The elevated levels of heavy metals include arsenic, cadmium, chromium, and lead. In addition, several locations containing elevated levels of TCLP lead were documented at the site. This investigation confirmed that the site met the criteria for initiating a removal action.

On July 9, 2002, the Michigan Department of Environmental Quality, Remediation and Redevelopment Division, Superfund Section, Pre-Remedial Group conducted a site visit to the Detroit Lead Company site. No sample were collected during this site visit. There are some residences located less than ¼ mile from the site.

The Detroit Lead Company site is a part of the Detroit Lead Assessment Project and the MDEQ is planning to cleanup any lead-laced soil in the nearby yards and at the site in the near future.

Completed By: _____ **Date:** _____

Nabil Seif, Site Screening Project Manager

Reviewed And Approved By: _____ **Date:** _____

Joseph Walczak, Program Manager